Darshil Chheda

Software Developer

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SUMMARY

- Skilled Software Developer with almost 4+ years of experience, adept at crafting robust and scalable applications using diverse tech stack including both front-end and back-end technologies.
- Developed and maintained full-stack web applications using a variety of technologies, including HTML, CSS, JavaScript, Java, Python, Node.js, MySQL, PostgreSQL, and MongoDB, GraphQL.
- Proven track record of building responsive and intuitive user interfaces using modern front-end frameworks like React, Angular, and Vue.js.
- Experienced in back-end development, employing Express.js and Python to design efficient server-side architectures and implement RESTful APIs.
- Expertise in designing and implementing databases, including relational databases (e.g., MySQL, PostgreSQL) and NoSQL databases (e.g., MongoDB).
- Strong programming skills in JavaScript, Python, and Java, adapting to diverse project requirements and challenges.
- Experienced in working with Agile methodologies (Scrum/Kanban) to deliver high-quality software within time and budget constraints.
- Proficient in using Docker and Kubernetes for containerization and orchestration, ensuring smooth deployment, and scaling of applications.
- Implemented efficient CI/CD pipelines using tools like Jenkins, GitLab CI/CD to automate the development process.

SKILLS

Front-End Development:	React, Angular, Vue.js, Flutter, HTML5, CSS3, JavaScript, TypeScript, Bootstrap, Responsive Design, Web Components
Back-End Development:	Node.js, Express.js, Python, Java, Django, C, C++, ASP.NET, RESTful APIs , Flask , GO, Ruby on Rails
Frameworks/Libraries:	Spring Boot, Spring Cloud, Spring MVC, JSF, Hibernate, ReactJS, Angular, Node.JS, Django, Flask, Apache Struts , Apache Airflow JAX-RS
J2EE Technologies:	Servlets, JSP, JSTL, JavaBeans, JDBC
Cloud Technology:	AWS (Amazon Web Services), Google Cloud Platform (GCP), Firebase
Database:	MySQL, PostgreSQL, MongoDB, Oracle, SQL Server, GraphQL
DevOps and Deployment:	Docker, Kubernetes, Jenkins, GitLab CI/CD, Travis CI, Continuous Integration. (CI) and Continuous Deployment (CD)
Testing:	Jest, Selenium, Cypress, Unit testing, Integration testing, End-to-end testing, A/B testing
Security:	Authentication (OAuth), Authorization, HTTPS, Encryption, Security best practices
Project Management and Collaboration:	Agile (Scrum, Kanban), Jira, Trello, Asana, Monday.com, VersionOne, Slack, Microsoft Teams, Zoom, Google Workspace, Microsoft Office
Version Control Tools:	Git, GitHub, GitLab, Bitbucket
Operating Systems:	Windows, Linux, Mac OS

EDUCATION

Master of Science in Computer Science specializing in Cybersecurity – Indiana University, Bloomington, Indiana
Bachelor of Engineering in Computing Engineering – University of Mumbai, Maharashtra, India

EXPERIENCE

Software Developer | Fifth Third Bank, IN | Sept 2023-Present

- Implemented biometric authentication APIs using JavaScript for fingerprint and facial recognition, enhancing user security and access control for over 10,000 users.
- Created interactive dashboards using React Native for mobile users, allowing them to effectively track their spending, budgets, and financial goals, resulting in a 25% increase in user engagement.

- Ensured responsive design by employing Bootstrap and Tailwind CSS, providing a seamless user experience across 95% of devices.
- Applied HTML5 and CSS3 best practices to achieve compliance with accessibility standards, ensuring that 100% of users could navigate the application effectively.
- Optimized the backend using Spring MVC, implementing caching mechanisms for frequently accessed data, reducing server response times by 30% and improving overall application performance.
- Developed a real-time chat feature utilizing Java Server Faces (JSF), allowing users to connect directly with customer support, resulting in a 40% reduction in response times for immediate assistance.
- Developed a robust database schema using PostgreSQL to efficiently store and retrieve user accounts, transaction records, and biometric authentication data, enhancing performance and scalability by 50% while ensuring data integrity and compliance with regulatory standards.
- Deployed the mobile banking application on Google Cloud Platform (GCP), leveraging its scalability and reliability, which improved performance by 35% and facilitated seamless integration with other cloud services.
- Ensured compliance with data protection regulations such as GDPR and CCPA by implementing strong data encryption practices and managing user consent through Java and Spring Boot.
- Utilized Scrum methodology with project management tools like Trello and Asana, ensuring timely development and delivery of new features, achieving a 15% increase in project efficiency.

Software Developer| Accenture, Mumbai, India |Jan 2019-Dec 2021

- Utilized React.js to develop a dynamic and responsive user interface, significantly enhancing the overall user experience, resulting in a 30% increase in user satisfaction. This approach ensured intuitive navigation for users interacting with course content.
- Employed CSS3 and Bootstrap to create a responsive design, making the LMS (Learning Management System) accessible across 95% of devices, including desktops, tablets, and smartphones. This ensured a consistent user experience regardless of screen size.
- Implemented a robust RESTful API using Node.js and Express.js to facilitate efficient client-server communication. This API managed course data and user authentication.
- Chose GraphQL as the primary data store, leveraging its flexible schema to handle various course and user-related data efficiently, resulting in a 50% improvement in query performance.
- Developed a cross-platform mobile application using Flutter, enabling users to access the LMS on both iOS and Android devices, increasing mobile user engagement by 25%.
- Implemented the Apache Struts framework to structure the web application's architecture, ensuring a clear separation of concerns. This approach enhanced the maintenance and scalability of the LMS, reducing development time by 20% by adhering to the Model-View-Controller (MVC) pattern.
- Utilized TypeScript to build interactive components within the LMS, enhancing user engagement and enabling dynamic content updates without full page reloads, which improved the overall responsiveness of the application by 35%.
- Implemented OAuth to secure user authentication processes, enabling safe registration and login features for over 10,000 users. This ensured that user data remained protected throughout their interactions with the platform, reducing unauthorized access attempts by 95%.
- Deployed the application on AWS, leveraging EC2 for scalable server hosting and S3 for the storage of static files. This cloud infrastructure provided high availability and optimized performance, reducing downtime.
- Conducted A/B testing to optimize user interface elements and course content delivery, resulting in a 20% increase in engagement and improved conversion rates.
- Ensured adherence to security best practices, including the use of HTTPS for secure data transmission and encryption for protecting sensitive user information. This commitment enhanced overall application security, resulting in a 90% decrease in security breaches.
- Developed a microservices architecture using Spring Boot, enabling independent deployment and scalability of various LMS components, such as user management and course data services.